

Well Completion

Forms and Procedures

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Class Synopsis



This class will focus on the forms that make up both Gas and Oil completion packets. It is important that the information provided by the operator is accurate in order to facilitate the timely processing of the completion packet.

G-1 (Gas Well Completion Report)



- Required by Statewide Rules 28 and 31
- The operator of a well shall file with the commission the appropriate completion report within 90 days after completion of the well or within 150 days after the date on which the drilling operation is completed, whichever is earlier. (SWR-16)
- The operator of a well shall file with the Commission an amended completion report within 30 days of any physical changes made to the well, such as any change in perforations, or openhole or casing records. (SWR-16)

G-1



Type or Print Only (Online filing availabe at http://www.rrc.state.tx.us)	RAI	ILROAD CO Oil an		SSION OF T Division	TEXAS			Form G-
uttp://www.rrc.state.tx.usj				API No.: 42-				7. RRC District No.
GAS WELL BACK PRES	SURE TEST, COMP	LETION OF	REC	OMPLETI	ON REPO	RT, AN	D LOG	8. RRC Gas ID No.
1. Field Name (as per RRC Records or V	/ildcat)	2. Lease Na	ime					9. Well No.
3. Operator's Name (exactly as shown on	Form P-5, Organization Repo	ort)		RRC Operator	No.			10. County
4. Operator's Address (include street, city	state zin code)							11. Purpose of filing
	, state, sap code,							
Sa. Location (section, block and survey)								A. Producers Initial potential
5b. This well is located	miles in a	direction from		, which	is the nearest	own in the	county.	Retest Reclass
5. Well Latitude/Longitude (minimum fi		Latitude/Lor	ngitude					Well record only
12a. Spud date	13. If recompletion or	r reclass, give for	mer field	(with reservoir)	& Gas ID or C	il Lease N	io. If multiple	(explain in remarks)
	completion, list all re-	servoir names (co	ompletio	ns in this well) a	nd Gas ID or C	il Lease N		B. Injection/Disposal/
12b. Date of first production after rig rele		mpletion or reclas Gas ID o		Mul	tiple completic Prior Ser	n rice Type (oil, gas,	Storage/Brine Minin Initial completion
	Field & Reservoir	Lease ?		Well No.		n/disposal.		Reclass
14. Type(s) of electric or other log(s) run			_					(explain in remarks)
700 F. F. A. T. A. C.				1				
	(GAS MEASU	REMI	ENT DATA				
 Date of test Gas measurer Orifice me 	nent method (check all that ap ter	pply) Positive cl	hoke	Pitot tub		Other		 Gas production durin test
Mass flow	meter Pipe taps	Orifice ver	ent meter	Critical f	low prover	(explain	in remarks)	Me
Run Orif, or Choke 24 hr No. Line Size Size (in.)	Choke (in.) Static P _m of Choke (in.)			Flow Temp.	Temp. (F _{tt})	Gravity (Fg)	Compress (F _m)	Volume (MCF/day)
1	.noxe (iii.) Chose (iii.) (_	(3)	(r _{ii})	(1.6)	(Fpc)	(sic.riday)
2 3			_					
4		+						
Was the well preflowed for 48 hours?	☐ YES ☐ NO							
		TA AND PRI	ESSU					
8. Gravity (dry gas) 19. Gravity (liqui	d hydrocarbon) 20, Gas-Liqu	id Hydro Ratio		21. Gravity (mi	xture)	22.Avg. s	shut-in temp.	Bottom hole temp.
Run Time of Run	Deg. API Wellhead Press.	Wellhead Flow T	CF/Bbl Run	G _{mix} =			°F Wellhead Pre	*F@ (Dep
No. (Min.) Choke Size (Temp. (°F)	No.	(Min.)	Choke Siz	e (in.)	P _W (PSIA)	
ihut-In			3					
2	$\overline{}$	$\overline{}$	5			-		+
		TA ON WEI		NIBI PETA				
4. Type of completion	DA	IA UN WEI	LL CU		25. Permit to I	rill, Plug		DATE PERMIT N
			7	- 1	Back, or D			DATE CASE N
New well Dee			Other (expla	in in remarks)	Rule 37 Ex	ception		DATE CASE N
6. Number of producing wells on this le	ase in this field (reservoir)			acres in lease	Fluid Injec	tion		DATE PERMIT N
including this well					Permit O&G Wast	a Dienocal		DATE PERMIT N
	menced Ended			est well in this	Permit			
deepening, recompletion, or drilling operations		lease &	reservoi	r	Other (exp	ain)		DATE PERMIT N
0. Elevation (DF, RKB, RT, GR, etc.)		31. Was dir	rectiona	l survey made o				
				YES	□ NO			
32. Total Depth (ft.)					ll or re-entry, s	urface casi	ng depth deter	mined by:
TVD MD	TVD	MD		Паш	Groundwater F	votaction	Depth:	
					mination	rotection	Date:	
 Rotation time within surface casing (hours) 	36. Is Cementing Aft attached?	fidavit (Form W	-15)	C Sum	13 Exception		Depth:	01
(nours)	attached?	□ NO		□ SWK	13 Exception		Depui;	

Form G-1										Al	Pl No.: 4	2-			
7.					CAS	ING RE	CORD								
Type of Casing (conductor, intermediate, conventional p	surface, reduction,	Casing Size (i	n.) He	le Size (in.)	Setting Depth	Multi-Sta Tool Depth	ge Mul	ti-Stage Depth (ft.)	Conent (Class	Cement	Slurry Volu (cu. fl.)	Top of	Contest	Top of Cement Determined By
tapered production or other)	9 0			(E)	Loot Depti	(IL) Shoe I	Repth (IL)	1	_	(sucks)	(cu, z.)	1	_	Determined H
1							200								
2										T					
3					T		1			T					
4			\neg		1		_	$\overline{}$		\neg			1		
			_			_			_			_	_	_	
š.					LIN	ER RE	CORD								
Liner Size (in.)	W.	ole Size (in.)	170	- T (0)	Liner Botte	- (0)	Cement	0	ement	SI	urry Volu	ime	Top of		Top of Ceme
ow Lines Size (iii.)	***	ose size (in.)	Lan	er rop (n.)	Liner Both	m (n.)	Class	Amo	unt (sacl	ks)	(cu. ft.)		Cement		Determined
1			\neg			\neg				\neg					
2	\neg		\neg		1	\neg		-		\neg		-		\neg	
7															
9.	(1)	TUBING RE	CORD				40.	PR	ODUC	ING/I	INJECT	TON/DE	SPOSA	LINI	TERVAL
es this well currently l	have tubing	set?	YES		NO		indicate to	p and l	bottom r	measur	red depth:	s of compl	etion int	erval(s) or open hole
Size (in.)		Depth Set (fi	i.)	Pac	ker Depth/Ty	pe I	From					To			
N. Walter				1			From					To			
	_			t		_	From					To			
	+			-		_	From					To			
	-			+			From					To			
							TORIL					10			
	AC	ID, FRACT	TURE, C	EMENT	SOUEEZ	E. CAS	T IRON	BRID	GE PI	UG.	RETAL	NER, ET	C.		
. Was hydraulic 42		uipped with a			Production				4. Actua					aulic f	racturing flu
		ve? TYES			IG) prior to										d to FracFoo
		actuation pre			atment				ydraulic			disclosur			
□ YES □ NO	yes, provide	actuation pre	ssure (1-5	(C) lire	atment				yuraunc	ciraciu	aring			, (S),	
								_					TES		NO
Type of Operation (indic			squeeze,		Amount and	Kind of	Material I	Jsed	- 1			Depth	Interval	(ft.)	
east iron brie	age plug, reta	ainer, etc.)		+					-			-	-		
				-					-	From			To		
										From			To		
									I	From			To		
6. FORMATION RE	CORD	(list o	depths of p	rincipal geo	logical marke	rs and for	mation top	s, includ	ding, but	not lim	nited to, <u>al</u>	permitted	disposal	injectio	a formations
6. FORMATION RE	CORD	(list e withi	depths of p in 1/4-mile	rincipal geo	logical marke ore, productiv	rs and for e zones, p	mation top otential flo	s, includ	ding, but	not lim	nited to, <u>al</u> formation	permitted fluid zones	disposal		Section Income
6. FORMATION RE	ECORD	(list o with	depths of p n 1/4-mile	rincipal geo of the wellb Depth (ft	ore, productiv	e zones, p	otential flo	w zones	ding, but , and cor	not lim	formation	fluid zeacs	disposal	Is for	mation isolat
10.00		withi	depths of p in 1/4-mile	of the wellb	ore, productiv	Indicate	if format	ion is a	ding, but , and cor	not lim	posal/inje	fluid zones	disposal	Is for	mation isolat n this well?
10.00		withi	n 1/4-mile	Depth (ft	ore, productiv	Indicate	if format	ion is a	and cor permitt	not lim rrusive i ted disp	posal/inje	fluid zeacs	disposal	Is for	mation isolat n this well? (YES/NO)
10.00		withi	depths of p in 1/4-mile	Depth (ft	ore, productiv	Indicate	if format	ion is a	ding, but , and cor	not lim rrusive i ted disp	posal/inje	fluid zones	disposal	Is for	mation isolat n this well? (YES/NO) NO, explain in
10.00		withi	n 1/4-mile	Depth (ft	ore, productiv	Indicate	if format	ion is a	and cor permitt	not lim rrusive i ted disp	posal/inje	fluid zones	disposal	Is for	mation isolat n this well? (YES/NO)
10.00		withi	n 1/4-mile	Depth (ft	ore, productiv	Indicate	if format	ion is a	and cor permitt	not lim rrusive i ted disp	posal/inje	fluid zones	disposal	Is for	mation isolat n this well? (YES/NO) NO, explain in
10.00		withi	n 1/4-mile	Depth (ft	ore, productiv	Indicate	if format	ion is a	and cor permitt	not lim rrusive i ted disp	posal/inje	fluid zones	disposal	Is for	mation isolat n this well? (YES/NO) NO, explain in
10.00		withi	n 1/4-mile	Depth (ft	ore, productiv	Indicate	if format	ion is a	and cor permitt	not lim rrusive i ted disp	posal/inje	fluid zones	disposal	Is for	mation isolat n this well? (YES/NO) NO, explain in
10.00		withi	n 1/4-mile	Depth (ft	ore, productiv	Indicate	if format	ion is a	and cor permitt	not lim rrusive i ted disp	posal/inje	fluid zones	disposal	Is for	mation isolat n this well? (YES/NO) NO, explain in
10.00		withi	n 1/4-mile	Depth (ft	ore, productiv	Indicate	if format	ion is a	and cor permitt	not lim rrusive i ted disp	posal/inje	fluid zones	disposal	Is for	mation isolate this well? (YES/NO) NO, explain in
10.00		withi	n 1/4-mile	Depth (ft	ore, productiv	Indicate	if format	ion is a	and cor permitt	not lim rrusive i ted disp	posal/inje	fluid zones	disposal	Is for	mation isolate this well? (YES/NO) NO, explain in
10.00		withi	n 1/4-mile	Depth (ft	ore, productiv	Indicate	if format	ion is a	and cor permitt	not lim rrusive i ted disp	posal/inje	fluid zones	disposal	Is for	mation isolate this well? (YES/NO) NO, explain in
Principal Geological Mark	kers and Forn	withi	n 1/4-mile	Depth (ft	ore, productiv	Indicate pro	eif format ductive zo	w zones tion is a one, pot corro	ding, but , and cor a permitt tential fl ssive for	ted displayment	formation sposal/injene, and/or a fluids	fluid zones	disposat) nation, ith	Is for	mation isolat n this well? (YES/NO) NO, explain in
trincipal Geological Mari	kers and Forn	within mation Tops	TVI	Depth (ft	ore, productiv	Indicate pro	eif format ductive zo	tion is a	ding, but , and cor a permitt tential fl ssive for	ted displayment	formation sposal/injene, and/or a fluids	fluid zones ection form r a zone w	disposat) nation, ith	Is for	mation isolat n this well? (YES/NO) NO, explain in
rincipal Geological Mark To the producing interest one contraction in excess o	kers and Forn	within mation Tops	TVI	Depth (ft	ore, productiv	Indicate pro	eif format ductive zo	tion is a	ding, but , and cor a permitt tential fl ssive for	ted displayment	formation sposal/injene, and/or a fluids	fluid zones	disposat) nation, ith	Is for	mation isolat n this well? (YES/NO) NO, explain in
rincipal Geological Mark To the producing interest one contraction in excess o	kers and Forn	within mation Tops	TVI	Depth (ft	ore, productiv	Indicate pro	eif format ductive zo	tion is a	ding, but , and cor a permitt tential fl ssive for	ted displayment	formation sposal/injene, and/or a fluids	fluid zones ection form r a zone w	disposat) nation, ith	Is for	mation isolat n this well? (YES/NO) NO, explain in
rincipal Geological Mark To the producing interest one contraction in excess o	kers and Forn	within mation Tops	TVI	Depth (ft	ore, productiv	Indicate pro	eif format ductive zo	tion is a	ding, but , and cor a permitt tential fl ssive for	ted displayment	formation sposal/injene, and/or a fluids	fluid zones ection form r a zone w	disposat) nation, ith	Is for	mation isolate this well? (YES/NO) NO, explain in
rincipal Geological Mark To the producing interest one contraction in excess o	kers and Forn	within mation Tops	TVI	Depth (ft	ore, productiv	Indicate pro	eif format ductive zo	tion is a	ding, but , and cor a permitt tential fl ssive for	ted displayment	formation sposal/injene, and/or a fluids	fluid zones ection form r a zone w	disposat) nation, ith	Is for	mation isolate this well? (YES/NO) NO, explain in
rincipal Geological Mark To the producing interest one contraction in excess o	kers and Forn	within mation Tops	TVI	Depth (ft	ore, productiv	Indicate pro	eif format ductive zo	tion is a	ding, but , and cor a permitt tential fl ssive for	ted displayment	formation sposal/injene, and/or a fluids	fluid zones ection form r a zone w	disposat) nation, ith	Is for	mation isolat n this well? (YES/NO) NO, explain in
rincipal Geological Mark 7. Do the producing interestration in excess o	kers and Forn	within mation Tops	TVI	Depth (ft	ore, productiv	Indicate pro	eif format ductive zo	tion is a	ding, but , and cor a permitt tential fl ssive for	ted displayment	formation sposal/injene, and/or a fluids	fluid zones ection form r a zone w	disposat) nation, ith	Is for	mation isolate this well? (YES/NO) NO, explain in
Principal Geological Mari	ervals of this	within mation Tops s well products SWR 36)?	TVI	Depth (ft	MD NO	Indicate pro	e if format ductive zo	ion is a	ding, but and cor and cor apermitti sive form YES	not lim rrusive t ted disjourned mation	posal/injene, and/or a fluids	fluid zonesection forms a zone w	disposaling dispos	Is for in (i) (ii) (iii) (iii)	mation isolate n this well? (YES/NO) (X) explain in remarks)
rincipal Geological Mari	ervals of this	with mation Tops swell produc SWR 36)?	TVI	Depth (ft	MD NO	Indicate pro	e if format ductive zo ductive zo e comple	ion is a some corror co	ding, but and cor permitted premitted premitte	not lim rrusive! ted disjon zor mation	posal/injene, and/or a fluids	ngled (SV	disposaling dispos	Is for	mation isolate n this well? (YES/NO) NO, explain in remarks)
7. Do the producing intencentration in excess of EMARKS:	ervals of this	with mation Tops swell produc SWR 36)?	TVI	Depth (ft	MD NO	Indicate pro	e if format ductive zo ductive zo e comple	ion is a some corror co	ding, but and cor permitted premitted premitte	not lim rrusive! ted disjon zor mation	posal/injene, and/or a fluids	ngled (SV	disposaling dispos	Is for	mation isolate n this well? (YES/NO) NO, explain in remarks)
rincipal Geological Mari	ervals of this	with with mation Tops swell produc SWR 36)?	TVI	Depth (ft	MD NO	Indicate pro	e if format ductive zo ductive zo e comple	ion is a some corror co	ding, but and cor permitted premitted premitte	not lim rrusive! ted disjon zor mation	posal/injene, and/or a fluids	ngled (SV	disposaling dispos	Is for	mation isolat n this well? (YES/NO) NO, explain in remarks)
this report, that I prep knowledge.	revals of this f 100 ppm (3	within mation Tops s well produces SWR 36)?	TVI	Depth (ft	MD NO	Indicate pro	e if format ductive zo ductive zo e comple	ion is a some corror co	ding, but and cor permitted premitted premitte	not lim rrusive! ted disjon zor mation	posal/injune, and/or in fluids it committee it committee	ngled (SV	I disposali	Is for	mation isolated at this well? (VES/NO) NO, explain in remarks) ed to make ed to make exect of my
7. Do the producing intencentration in excess of EMARKS:	revals of this f 100 ppm (3	within mation Tops s well produces SWR 36)?	TVI	Depth (ft	MD NO	Indicate pro	e if format ductive zo ductive zo e comple	ion is a some corror co	ding, but and cor permitted premitted premitte	not lim rrusive! ted disjon zor mation	posal/injene, and/or a fluids	ngled (SV	I disposali	Is for	mation isolate in this well? (VES/NO) (
7. Do the producing intencentration in excess o OPERATOR'S CEI this report, that I prej knowledge.	revals of this f 100 ppm (3	within mation Tops s well produces SWR 36)?	TVI	Depth (ft	MD NO	Indicate pro	e if format ductive zo ductive zo e comple	ion is a some corror co	ding, but and cor permitted premitted premitte	not lim rrusive! ted disjon zor mation	posal/injune, and/or ine, and/or ine thinks it committee committe	ngled (SV	I disposali	Is for	mation isolate in this well? (VES/NO) (
7. Do the producing intencentration in excess o OPERATOR'S CEI this report, that I prej knowledge.	revals of this f 100 ppm (3	within mation Tops s well produces SWR 36)?	TVI	Depth (ft	MD NO	Indicate pro	e if format ductive zo ductive zo e comple	corror	ding, but and core an	a not lim ressive ! ted dissipation mation www.hole	posal/injunce, and/o	ection forms a zone w	disposal dis	Is for	mation isolated at this well? (VES/NO) NO, explain in remarks) ed to make ed to make exect of my

Gas Allowable Effective Date



- Allowable is set based on the date of receipt of all required forms
- Will be backdated 15 days from when the last form needed for an allowable was received in Austin.
- Completion date (packet data on G-1) is the date the well is capable of producing by the opening of a valve or flipping of a switch.

G-5 (Gas Well Classification Report)



RAILROAD COMMISS Oil and Gas D	ivision	CLASSIF	FICA	WELL TION REPORT			Form G
Tracking No.: 51175			ted elec	tronically from data submitted			4 OIL LEASE NO OR
I. OPERATOR NAME (Exactly as a LINN OPERATING, INC.	hown on Form P5 Or	junization Report)			3. RRC DI	STRICT NO.	GAS WELL ID NO.
2. MAILING ADDRESS ATTN DEBRA GORDON					5. WELL	NO. 3H	6. API NO. 42- 483-33008
600 TRAVIS SUITE 5100 HOUSTON, TX 77002					7. COUNT	Y OF WELL SE	12
8. FIELD NAME (as per RRC Recon	b)			9. LEASE NAME			
ALLISON-BRITT (12350)				MCMAHAN 22			
10. LOCATION (Section, Block and				II. PIPELINE CONNECT			900
CAMP CSL LGE 4 LOT 22	, A-24			ENBRIDGE PIPELII	NE (TX G	ATHERING) L	Р
PRODUCTION TEST AT RATE I (data on 24-hour basis)					Is ONLY if	the producing gas	E. Distillation test is s-liquid hydrocarbon
A. Date of Test	10/21/201	1	_		THE STATE OF	7007	
B. Gas Volume	2701.0		(Mcf)	Date Liquid Sample	Obtained	10/22/2011	İ
C. Oil or Condensate Volume			(ВЫ)	Where Obtained:	X	Separator	Stock Tank
D. Water Volume	998.0		(ВЫ)	% Over Temp.	(deg. F)		% Over Temp. (deg. F)
E. Gas/Liquid Hydrocarbon Ratio	20318	(C)	(7BЫ)		07.2	- 1	60317.1
F. Flowing Tubing Pressure	625	- (psia)	101	72.0	- 1	70377.4
G. Choke Size	64/64		in.)	202	02.4	-	454.4
H. Casing Pressure	1090.0	(r	psia)	302	25.1	- ,	90571.4
I. Shut-in Wellhead Pressure Tubing	625	(r	psia)	"	48.3	- 1	95 642.0
J. Separator Operating Pressure _	84.0	(r	psia)	502	74.6	End Po	sint667.9
K. Color of Stock Tank Liquid _	Straw		_				
L., Gravity of Separator Liquid	46.8		API	Total Recovery	_	95.2	- percent
M. Gravity of Stock Tank Liquid .	46.8	- 0	API	Residue	_	3.0	- percent
N. Specific Gravity of the Gas (Air = 1)	0.769		_	Loss	_	1.8	- percent
I declare under penalties p Sec. 91.143, Texas Natural Res that I am authorized to make that this report was prepare under my supervision and di that data and facts stated ther correct, and complete to the knowledge. 04/23/2015	ources Code, this report, d by me or rection, and ein are true,	LINN OPERATION NAME Bart Trevino SIGNATURE Regulatory Com		(Type or Print) De Specialist II	13) 904-6	684	RRC USE ONLY
DATE	-	CONTACT PERSON	N N		HONE NUM		

G-10 (Gas Well Status Report)



OPERATOR NAME AND ADDRESS including city, state and zip	· · · · · ·	WELL	Reason for Filing	Operator P-5 Or	ganization No. RR0	C Dist. No.
LINN OPERATING, INC. ATTN DEBRA GORDON 600 TRAVIS SUITE 5100 HOUSTON, TX 77002	RAILROAD COMM Oil and G P.O. B Austin, Texa This facsimile G-10 wa	REPORT MISSION OF TEXAS Bas Division MISSION OF TEXAS BAS DIVISION MISSION OF TEXAS BAS TEXAS BA	Survey Retest X Initial Test Correcti	Test Period: Due Date: Effective Date:	45	10
FIELD NAME	RRC IDENT NO.	DATE TESTED MO/DAY/YR	GAS PRODUCED MCF/DAY **	CONDENSATE PRODUCED	WATER PROD BBL/DAY	PRESSURE PSIA
* LEASE NAME	WELL NO.	MARK X FOR SHUT-IN WELL	GAS SPEC. GRAVITY	CONDENSATE GRAVITY (API)	X BOTTOMHOLE PRESSURE PSIA	***FLOWING PRESSURE PSIA
ALLISON-BRITT (12350)		10/22/2011	2701 MCF	104.0 BBL	998.0 BB	1090
MCMAHAN 22	3H		0.769	46.8		625
			MCF	BBL	BB	L
			MCF	BBL	88	L
			MCF	BBL	BB	L
			MCF	BBL	88	L
			MCF	BBL	88	L
			MCF	881	BB	L
			MCF	BBL	BB	L
ERTIFICATION: I declare under penalties prescribed in Texas Natural Resources C nd facts stated herein are true, correct, and complete to the best of my knowledge. LINN OPERATING, INC ignature: RENA CARTER	Code, Sec. 91.143, that I am a	suthorized to make this re		prepared by me or under		firection, and that data
AN ASTERISK PREPRINTED ON A SURVEY IDENTIFIES WELL SUBJECT TO C		IREMENT CO	GAS PRODUCTION RAT	E IN MCE IS TO BE E	EPORTED FULL-WEI	1000

W-2 (Oil Well Completion)



- Required by Statewide Rules 16 & 51
- Include Lease number, if the well will be added to an existing lease
- File potential test information within 10 days of the test date (Statewide Rule 51)
- Wells needing an allowable must include a test
- Non-producing wells and service wells, no test required

Oil Allowable Effective Date



- Allowable set based on date of receipt of all required forms
- Allowable effective date may be backdated to the completion date if the forms are received within 10 days of the test date (test information needs to include a 24 hour test)
- Packet Data Completion date is the date the well was capable of producing by the opening of a valve or flipping of a switch

W-2



							Form W-2								API No.: 4	12.		
Type or Print Only	DAI	LROAD COMMIS	SION OF T	EVAS	Form W-2		36,				CASI	NG RECO	ORD			-		
	KA	Oil and Gas		EAAS		1 1	Type of Casing (conductor, surf	kee,			Setting Depth	Multi-Stage	Multi-Stage		Cement	Slurry Volume		Top of Cement
(Online filing availabe at		Oil and Gas	Division		Rev. 01/2014	1 1	Row tapered production, or other)	ection, Casing Sc	ze (in.)	Hole Size (in.)	(£)	Tool Depth	Shoe Depth (#.	Cemere Class	Amount	(cu, ft.)	op of Cement	Determined By
http://www.rrc.state.tx.us)							1		-			(90)		-	Cancer		- 1	
1			API No.; 42-		7. RRC District No. 8. RRC Lease No.		2		\neg									
OIL WELL POTENTIAL	TEST, COMPLET	ION OR RECOM	PLETION I	REPORT, AND LOG	8. KRC Lease No.		3		\neg					$\overline{}$				
1. Field Name (as per RRC Records or Wile	deat)	2. Lease Name			9. Well No.		4											
	W. 1.75-1						37.				LIN	ER RECO	RD					
Operator's Name (exactly as shown on Fe	orm P-5, Organization Repo	rt)	RRC Operato	r No.	10. County		Liner Size (in.)	Hole Size (in	i.) Li	ner Top (ft.)		m (ft) Ce	ment (Cement	Slurry Vol			Top of Cement
 Operator's Address (include street, city, s 	state, zip code)				11. Purpose of filing		1		-				lass Amo	unt (sacks)	(cu. ft.)	Cer	sent	Determined By
5a. Location (section, block and survey)					A. Producers Initial potential		2					_	ㅗ					
-					Refest		38. Does this well currently hav	TUBING		,	10	39.				TON/DISPO		
5b. This well is located mile	es in a dir	ection from	, which is th	he nearest town in the county.	Reclass		Does this well currently hav				attach appro		cate top and	bottom mea	isured depth	s of completio	n intervaits	s) or open note
6. Well Latitude/Longitude (minimum five	decimal places required):	Latitude/Longitude	type:		Well record only		(if NO & no SWR 13 Excepti				attach appro	(ai)						
122.00	100 5 000		220		(explain in remarks)		Size (in.)	Depth Set			ker Depth/Ty	pe From	n			To		
12a. Spud date				ias ID or Oil Lease No. If multiple						\top		From	n			To		
		voir names (completions i			B. Injection/Disposal/					_		From	11			To		
10 p. 66		etion or reclass	Mul	tiple completion	Storage/Brine Mining							From	n			To		
12b. Date of first production after rig releas	Field & Reservoir	Gas ID or Oil Lease No.	Well No.	Prior Service Type (oil, gas, injection/disposal, other)	Initial completion							From	n			To		
	ried & Reservoir	Lease No.	Well No.	injection/disposal, other)	Well record only			ACID, FRA	CTURE,	CEMENT	SOUEEZE	CAST I	RON BRII	OGE PLU	G, RETAI	NER, ETC.		
14. Type(s) of electric or other log(s) run	+		+		(explain in remarks)		40. Was hydraulic 41. I	well equipped wit	th a downh	ole 42.	Production o	asing test p	oressure	3. Actual m	aximum	44. Has the b	ydraulic f	fracturing fluid
14. Type(s) or execute or other rog(s) run	+		_		- (fracturing treatment actua	ation sleeve?	ES IN	O (PS	dG) prior to	hydraulic f	racturing	oressure (PS	lG) during	disclosure be	en report	ed to FracFocus
1		_						, provide actuation	pressure (P	SIG) tre	atment			ydraulic fra	cturing	disclosure re		
INITIAL POTENTIAL TEST					for another purpose)		☐ YES ☐ NO		× 30							□ YE	s \square	NO
	IMPORTANT: Test sho						Type of Operation (indicate	plug, retainer, etc.)			Amount and	Kind of Ma	terial used	- 1		Depth Inte	rval (ft.)	
15. Date of test 16. No. of ho	urs tested 17. Productio	n method (flowing, gas lif	t, jetting, pumping	g - size & type of pump)	18. Choke size		cast iron bridge	plug, retainer, etc.)		+				From	-	Т		
										+-				From		T		
19. Production during test period:	Oil (BBLS) Gas (MC)	F) Water (I	BBLS)	Gas - Oil Ratio	Flowing Tubing Pressure (PSIG)					+-				From		T		
1,	oil (BBLS) Gas (MC	F) Water (I	DDI CA	Oil Gravity - API - 60*	Casing Pressure (PSIG)				int deaths of	principal as	lookal marks	and format	ion tone inch			Il permitted disp		on formations
20. Calculated 24-Hour Rate:	in (DDLD)	, , , , , , , , , , , , , , , , , , , ,	obco,	i on one my - zer - oo	casing ricoare (i sio)		45. FORMATION REC	ORD "	ithin 1/4-mil	e of the wellt	ore, productive	zones, poten	tial flow zone	s, and corros	ive formation	fluid zones)		
21. Was swab used during this test?	1.8.1	22, Oil proc	duced prior to test							Depth (fi	(.)			orronous and se	NATIONAL PROPERTY.			mation isolated
☐ YES ☐ NO		(new &	recompleted well-	s):			Principal Geological Markers	and Formation Tor		I						ection formation r a zone with		n this well? (YES/NO)
		101	na e				Principal Geological Markets	and Formation 10;	TV	'D	MD	produc		osive format		a a zone with		NO, explain in
	DA	TA ON WELL COM	APLETION															remarks)
23. Type of completion				24. Permit to Drill, Plug	DATE PERMIT NO.				A .									
_ , , , , _ , ,		- 01		Back, or Deepen Rule 37 Exception	PATE CASENIO	1 1			1									
New well Dec			· energial and	Rule 37 Exception	DATE CASE NO.				1									
25. Number of producing wells on this leas		26. Total number of		Fluid Injection	DATE PERMIT NO.													
including this well	e in uns neid (reservoir)	20. Total number of	acres in rease	Permit	F.													
and the same of th				O&G Waste Disposal	DATE PERMIT NO.													
27. Date of plug back, Con	nmenced Ended	28. Distance to near	est well in this	Permit														
deepening, recompletion,		lease & reservoi	f	Other (explain)	DATE PERMIT NO.		46. Do the producing interv				□ NO	47. Is the o			hole commi	ingled (SWR I	0)?	
or drilling operations				100			concentration in excess of 10	00 ppm (SWR 36)?		YES	□ 20			YES		□ NO		
Elevation (DF, RKB, RT, GR, etc.)		30. Was directiona	l survey made of	ther than inclination (Form W-1	(2)?		REMARKS:											
				YES NO														
31. Total Depth (ft.)		Back Depth (ft.)	33. For new d	rill or re-entry, surface casing dep	oth determined by:													
TVD MD	TVD	MD			3													
				Groundwater Protection Deptl			OPERATOR'S CERT this report, that I prepar											
24 Detailer time within mafe	16 Is Committee 1 60	levit (Fram W. 15)	Deten	mination Date:	-		knowledge.	ed of supervised a	and directe	u this repo	x c, and that o	sata and fa	cts stated th	iciein are t	rue, correc	t, and comple	te, to the	best of my
 Rotation time within surface casing (hours) 	35. Is Cementing Affice attached?	avit (Form W-15)	Denn	13 Exception Deptl			and medge.								Tel			
(nours)	attached?	□ NO	LISWR	13 Exception Depti			Signature: Operator's repr	esentative	-	Title						Area Code	Num	ber
							Printed Name			Date				Email (inclu	de email add	fress only if you	affirmativ	ely consent to
														its public rel	lease)			
						1 1												

W-10 (Oil Well Status Report)



DPERATOR NAME AND ADDRESS including city, state and zip CONOCOPHILLIPS COMPANY ATTN AMY LASCHE 3WL 15006 HOUSTON,TX,77252-2197	STATUS RAILROAD COMM Oil and Go P.O. Bo	WELL REPORT IISSION OF TEXAS as Division vs. 12967 78711-2967 Status: Processed	Reason for Filin Survey X Retest		172232 ctive Date: 11/01		RC Dist. No. 08	W-10 Rev.7/95 www-1
FIELD NAME * LEASE NAME	LEASE NO.	WELL NO	F- FLOWING P- PUMPING G- GAS LIFT S- SWABBING	DATE TESTED MO/DAY/YR	PRODUCED (BBL/DAY)	WATER PRODUCED (BBL/DAY)	GAS PRODUCED (MCF/DAY)	SHUT-IN X
EMBAR (PERMIAN) UNIVERSITY ANDREWS	01270	238	FLOWING	03/14/2015	55.0 BBL	271 BBL	381 MCF	
EMBAR (PERMIAN) UNIVERSITY ANDREWS	01270	270	PUMPING	02/18/2015	4.0 BBL	188 BBL	169 MCF	
EMBAR (PERMIAN) UNIVERSITY ANDREWS	01270	40R	PUMPING	03/07/2015	34.0 BBL	624 BBL	30 MCF	
					BBL	BBL	MCF	
					BBL	BBL	MCF	
					BBL	BBL	MCF	
					BBL	BBL	MCF	
					BBL	BBL	MCF	
					BBL	BBL	MCF	
					BBL	BBL	MCF	
CERTIFICATION: I declare under penalties prescribed in Texas Natural Resources Code, Se	c.91.143., that I am authorized to make the	s report, that this report was prepared by	y me or uder my supervision and direc	ction, and that data and fact	s stated herin are true, correct, and	complete to the best of my	knowledge	
Signature: Josie Zertuche, Regulatory AN ASTERISK PREPRINTED ON A SURVEY IDENTIFIES WELL SUBJECT	,		atory Assistant	Phone:	(512) 463-39 "X" IS PLACED IN THE SHUT			

Forms Associated with Gas & Oil



- W-1: Application for Permit to Drill, Recomplete, or Re-Enter
- P-8: Request for Clearance of Storage Tanks Prior to Test
- W-12: Inclination Report
- W-15: Cementing Report
- **L-1**: Electric Log-Status Report
- P-4: Certificate of Compliance & Transportation Authority
- P-12: Certificate of Pooling Authority
- P-15: Statement of Productivity of Acreage
- P-16 Datasheet: Acreage Designation
- Plats: Permitted Plat, As Drilled Plat, Lease Plat or Proration Plat

W-1 (Drilling Permit)



API No.: 42-	gned <u>:</u>		RAIL	ROAD COMMISSIO				FORM W-	1 EFF 10/04		
Drilling Permit	No.:		APPLICATION FOR F	1/		OR RE-EI	Drilling Permit Fee Based on Depth; 0°-2000' \$200 2001'-4000' \$22 4001'-9000' \$250 >9000'- \$36 Expedited Service Fee ADD \$150 Rule 37/38 Exception Fee ADD \$200				
1. RRC Opera	itor No.:		2. Operator Name (as shown on P-5 (Organization Report):	3. Operator Ad	dress (includ	de street, city, state,	zip):			
4. Lease Nam	ie:			5. Well No.:							
GENERAL IN	FORMATION				-1-						
6. Purpose of	Filing (Mark ALI	L appropriate bo		Recompletion Amended as Drilled (Bl	Reclass	☐ Field Tr W-1D)	ransfer	Re-enter			
7. Wellbore Pr	rofile (Mark ALL	appropriate box	xes):	Horizontal (Also File Fo	rm W-1H)	☐ Direction	onal (Also File Form	W-1D)	Sidetrack		
8. Total Vertic		minerals unde	er any right of way?	□ No 10.1	s this well subject to	Statewide F	Rule 36 (hydrogen s	sulfide area)? Yes	□ No		
	CATION AND		ORMATION								
11. RRC Distr	ict No:	12. County:		13. Surface Location	: Land	☐ Bay/e	stuary Inland	waterway	re		
14. This well	is to be located		miles in a	direction from			, which is the n	earest town in the coun	ty.		
15. Section:	16. Ble	ock:	17. Survey:		18. Abstract No:	19. Dista lease line	nce to nearest 2	 Number of contiguou ooled unit or unitized tra 	s acres in lease, act:		
21. Lease Pe	rpendiculars:		ft. from the	line and	tt f	rom the		line.			
22. Survey Po	erpendiculars: _		ft from the	line and	ft f	from the		line.			
			No 24. Unitization Docket No:		Are you applying for		and the same of th	☐ Yes (attach Form	n W-1A) □ No		
FIELD INFOR			of anticipated completion including						T 00 11 111 11		
26. RRC District No.	27. Field No:		28. Field Name (exactly as shown	in RRC records)	29. Well	Туре	30. Completion Depth	31. Distance to Nearest Well in this Lease & Reservoir	32. No. of Wells o this Lease in this Reservoir		
BOTTOMHOL Remarks:	E LOCATION I	NFORMATION	is required for DIRECTIONAL, HORI	ZONTAL, AND AMENDE	D AS DRILLED PER	RMIT APPLI	CATIONS - Attach	FORM W-1D/FORM W	-1H as appropriate		
Remarks.				application, th	at this application wa	as prepared	s Natural Resource by me or under my	s Code, that I am author supervision and direction pest of my knowledge.			
				Name of Repr	esentative (Print)	s	ignature	Date (m	nm/dd/yy)		

P-8 (Request for Clearance of Storage Tanks)



- Statewide Rule 80
- Filed before the well is assigned an ID/Lease number
- An allowable will be needed to cover this production
- P-8's can be filed on-line
- District office processes all P-8 requests.
- Copy of Form P-4 must be attached

W-12 (Inclination Report)



			MISSION OF TEXA GAS DIVISION	15	Form W-12 (1-1-71) 6. RRC District	*11. Measured Depth (feet)	12. Course Length (Hundreds of feet)	*13. Angle of Inclination (Degrees)	14. Displacement per Hundred Feet (Sine of Angle X100)	15. Course Displacement (feet)	16. Accumulative Displacement (fee
						2 COR C \$ \$ 1 C C C C C C C C C C C C C C C C C				-	-
1, 11	INCL	INATION R	EPORT		7. RRC Lease Number. (Oil completions only)		1			1	1
PIELD NAME (as p	or RRC Records or Wilder		SE NAME	*************************************	8. Well Number						
					\\			-		1	
OPERATOR					9. RRC Identification Number (Gas completions only)						
ADDRESS											1
LOCATION (Section	, Block, and Survey)				10. County		 	 		1	1
FOCKLION (Section	, Block, and Survey)										
		RECORD OF	INCLINATIO	T							
. Measured Depth	12. Course Length	*13. Angle of	14. Displacement per	15. Course	16. Accumulative	-		 		+	
(feet)	(Hundreds of feet)	Inclination (Degrees)	(Sine of Angle X100)	Displacement (feet)	Displacement (feet)						
			· · · · ·	<u> </u>							
			1						<u> </u>		+
							-		-	1	
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		+	-	<u> </u>							
	T						-			+	+
		reverse side of this fo									
		se side of this form?		_ feet =	feet.						
	stal displacement of we surements were made i	ell bore at total depth of		Open hole	Drill Pipe					-	-
			ine		feet.			+		1	+
					feet.	7 7 7 7					
			the vertical in any man						100000		1
(If the answer t	the above question i	s "yes", attach writter	n explanation of the circ							-	+
CLINATION DATA		7	OPERATOR CERTIF	ICATION penalties prescribed in	Sec. 91.143, Texas Natural	If additional space	ce is needed, attach ser	arate sheet and check he	re. 🗆		
I declare under p	enalties prescribed in S	ec. 91.143, Texas Nature this certification, that	Resources Code, the I have personal knowledge	at I am authorized to medge of all information	Sec. 91.143, Texas Natural lake this certification, that I presented in this report, and is form are true, correct, and certification covers all data	REMARKS:		and one of the check he			
des of this form and	that such data and facts to knowledge. This certify	ec. 91.143, Texas Nature te this certification, that ta and facts placed on both are true, correct, and con fication covers all data as s on this form.	that all data present	of my knowledge. This	certification covers all data						
dicated by asterisk	(*) by the item number	on this form.	asteriaks (*) by the	tem numbers on this for	lination data as indicated by m.			- INSTRU	CTIONS		
gnature of Authorize	15		Signature of Authoriz	ad Panmaantativa		An inclination surve	y made by persons or	concerns approved by		be filed on a form pr	escribed by the
								ned with rotary tools o			
ame of Person and	ritle (type or print)		Name of Person and	Title (type or print)				d on wells that are dri			
ame of Company			Operator			provisions of Statew		try of abandoned wells	.) Inclination survey	s must be made in ac	cordance with the
lephone: Area Co	5e		Telephone:	ode	1			Office of the Commission	on for the district in u	which the well is dril	led: by attaching
ilroad Commission		1 1 1 1						e well. (except Pluggi		which the well is dill	ieu, by attaching

W-15 (Cementing Report)



- Statewide Rules 13 & 14
- Filed with all new completions and dry hole completions
- District Office has primary audit responsibility & approval
- Must be signed by cementing company

L-1 (Electric Log-Status Report)



- Statewide Rule 16
- File with all new gas, oil, deepened wells & dry holes
- If no log was run check Box A
- Indicate if confidentiality is requested
- Log header required to be attached with request for confidentiality
- If log marked attached mail to Austin office

P-4 (Cert. of Compliance & Trans. Authority)



- Statewide Rule 58
- Form P-4 is a certificate of compliance as well as authorization for gathering the product
- Same form used for oil leases and gas wells
- One form per oil lease and one for each gas well
- New lease P-4's can be completed with online completion packet. All other P-4's should be mailed to Austin Office

P-4 (Cert. of Compliance & Trans. Authority)



- Fill out the P-4 in its entirety listing complete company names (even if information is not being changed)
- Item 12 check all appropriate box for changes being made
- All percentages need to add up to 100%
- Always show a system code for the gas purchaser

P-4 (Cert. of Compliance & Trans. Authority)



- Show the company that actually moves the stock;
 purchaser is not required for liquid gatherer
- MUST have original signatures for operator changes
- You can verify the gatherer/purchaser you are selecting is valid by utilizing the Organization (P-5)
 Query under our Oil & Gas Data queries section.

P-12 (Certificate of Pooling Authority)



RAILROAD COMMISSION OF TEXAS Oil and Gas Division PO Box 12967 Austin, Texas 78711-2967 www.rc.state.tx.us	POOLING A	UTHORITY	P-12
1. Field Name(s)		Lease/ID Number (# assigned)	RRC District Number
Operator Name		5. Operator P-5 Number	6. Well Number
7. Pooled Unit Name		8. API Number	9. Purpose of Filing
10. County		11.Total acres in pooled unit	Drilling Permit (W-1)
To. County		11.1 otal acres in pooled unit	Completion Report
DESCRIPTION	ON OF INDIVIDUAL TRACTS CO	ONTAINED WITHIN THE POO	LED UNIT
TRACT/PLAT TRACT		ACRES IN TRACT	INDICATE UNDIVIDED INTERESTS
IDENTIFIER NAME		(See Inst. #7 below)	UNLEASED NON-POOLED
)			
¥			
CERTIFICATION:			
declare under penalties prescribed foregoing statements and that the is correct, and complete to the best of	nformation provided by me or un		
Signature		Print Name	
Title E-m	Bill (f avadable)	Date	Phone
The certified plat shall designate e	ed to form a unit to obtain a drilling an original Certificate of Pooling Au ach tract with an outline and a trace	thority and certified plat.	
identifier and associated information. If within an individual tract, a non-particular in the purpose of Filing is to obtain	ooled and/or unleased interest exist		
to all fields requested on Form W- f. If the Purpose of Filing is to file con		51 1250 5	
Identify the drill site tract with an *	o the left of the tract identifier.	al of all acres in the individual trace	

P-15 (Statement of Productivity of Acreage)



ASSIGNED	PRODUCTIVITY OF ACREAGE TO PRORATION UNITS	(5-5-71)
The undersigned states that he is auth	arized to make this statement; the	t he has knowledge
_		o ne nas knowreege
of the facts concerning the	OPERATOR	,
LEASE	, Nowell	; that such well is
completed in the	Field,	County,
Texas and that the acreage claimed, as	nd assigned to such well for prora	tion purposes as
authorized by special rule and as show		
acres which can rea	asonably be considered to be produ	active of hydrocarbon
	CERTIFICATE -	
- 0	CERTIFICATE -	
and that data and facts stated therein ar		
Dave	organica	
TelephoneAREA CODE	Title	
AREA CODE		

P-16 (Acreage Designation)



			RAILROAD COMN 1701 N. P.O. Bo Austin, Texas	Congre x 1296 s 7870	rss 7 1-2967	EXAS		P-16 Data Sheet (Optional) Page 1
•			Acreage D					
			SECTION I. OPERAT					
Operator Name: Operator Address:				Ope	rator P-5 No.:			
Operator Address.			AND PROPERTY OF A PERSON	-	WATER CARREST			
D1-1-1-1-1			SECTION II. WEL					To dell'
District No.: Well No.:				API				Purpose of Filing:
Total Lease Acres:					ing Permit No).:		Drilling Permit Application (Form W-1)
Lease Name:					e No.:			Completion Report
Field Name:				Field	No.:			(Form G-1/W-2)
authorized by the cur	rent operal	tor to change the an	er entities, the number of assign issigned acreage of that operator /ELLS IN THE APPLIED-FOR FI UNITIZED TRACT DESIGNATE	as sho	wn below. N THE SAME /	ACREAGE AS		ission records or the filer has been
RRC ID No. or Lease No.	Well No.	H-Horizontal D-Directional V-Vertical	Lease Name		API No.	Acres Assigned	SWR 38 Except. (Y/N)	Operator Name and Operator No. (if different from filing operator)
				_				
								1
					-	0		
				_				
				_				
				_				
Total Well Count >			< A. Total Assigned Horiz. A					Assigned Acreage
			< Total Remaining Horiz.		-		< Total	Remaining Acreage
			< B. Total Assigned Vert./D < Total Remaining Vert./	/Dir. A	creage			
		SEC	CTION IV. REMARKS / PURPO	DSE OF	FILING (see in	nstructions)		
	V ₂ 12		r	7				
	are under	penalties prescribe		Resour		this report w	as prepared	nal pages) by me or under my supervision or the best of my knowledge.
Signature			Name and title (type or prin	t)		Email (includ		ress only if you affirmatively

TO THE PARTY OF TH			F	RAILRO	P.O. I Austin, Te	Box xas	SSION OF ongress 12967 78701-2967	TEXAS		li		optional) Page 2 Rev. 09/2014
Filer is the owner or well that will have a filer has pooling au assigned to the well	perforatio thority or	ns or other	take points	open in the	minerals under	eac	h tract listed beli lied-for field(s).	All tracts list	d will act	ually be traver	sed by the	wellbore or the
SECTION V. LIST												OT A SINGLE
RRC ID No. or Lease No.	LEASE, P	Lease N		Begin	nning Lease Acreage		CONTRACT FO Allocated ase Acreage	Ending Le	ase	Operator Na	me and	Operator No.
				+		_			-			
				1								
	70.		т	otal Alloca	ted Acreage >				<	Total Lease Ac	reage	
Filer is the owner or as operator below. authorized by the cu	For all lea	ses operat	ed by other e	entities, the	e number of ass	igne	d acres shown as	ion of the mi re reflected o	neral estat	e under each t Commission re	cords or t	hich filer is listed he filer has been
							PPLIED FOR FIE OR THE TRACTS					
RRC ID No. or Lea	ise No.	Well No.	Acres Assigned	SWR 38 Except. (Y/N)	H-Horizonta D-Directiona V-Vertical	ı	RRC ID No. or		Well No.	Acres Assigned	SWR 38 Except. (Y/N)	H-Horizontal D-Directional V-Vertical
						4						
						╛						
						-1						-
						4						
		-				┨				1		
						4						
		-				1						
						4						
					7	1						
						4						
						╢						
						7						
A. Total Wells & A	creage >					1	A. Total Wells	& Acreage >				
B. Total Assign		Acreage >		1				signed Horiz.	Acreage >			
C. Total Assigned V	/ert./Dir.	Acreage >					C. Total Assign	ed Vert./Dir.	Acreage >			
					SECTION	VII.	REMARKS					
						_						

Plats



- Proration plats are required in fields that have special field rules
- Plats need to outline the proration unit, show the lease line distances, and the distances to the nearest well
- Plats are to be certified and to scale
- Please identify the plat with a district and lease number, if lease already exists

Contact Us



For immediate assistance please call the Well Compliance (Proration) main phone number.

512-463-6975

512-463-6955

prorationunit@rrc.texas.gov

www.rrc.texas.gov

P.O. Box 12967, Austin, Texas 78711-2967